

Ratzer, M. D. and Shpigel', I. S.
ETUDE DU PLASMA A L'AIDE DE MICRO-ONDES
(Study of Plasma Using Microwaves) tr. by Fedorovsky.
6 May 60 [35]p. 55 refs. CEA Trans. no. R 895 (text
in French)
Order from OTS or SLA \$5.60

61-15761

Trans. in French of Usp[ekhi] Fiz[icheskikh] Nauk
(USSR) 1958, v. 64, no. 4, p. 641-667.
Translations in English available from LC or SLA
ml\$3.30, ph\$7.60 as ABC-tr-3594 [1959] [44]p. and
ml\$3.60, ph\$9.30 as 59-20279 [1959] 53p.

DESCRIPTORS: Plasma physics, *Gas discharges,
*Microwaves, Dielectric properties

For abstract see Technical Translations 2; 858, 1959.

AEC Tr 3594

(Physics--Electronics, TT, v. 6, no. 6)

61-15761

I. Ratzer, M. D.
II. Shpigel', I. S.
III. CEA-tr-R895
IV. Commissariat à l'Énergie
Atomique (France)

176518

Office of Technical Services

Optical Observations Of Artificial Earth Satellites
by I.S. Shklovski and P.V. Shcheglov.

RUSSIAN, per, Uspekhi Fizicheskikh Nauk, Vol LXIV,
No 3, 1958, pp 417-424.

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Oct. 62

The Eleventh Conference on Spectroscopy - Part III -
Solid State Spectroscopy, by N. Kaliteyvhly.
UNCLASSIFIED

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Navy Tr: 1853/JH T-22

" " 1933 " "

Sci - Physics
Sep 58

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63-10744

Kolesnikov, V. N. and Leskov, L. V.
OPTICAL TRANSITION PROBABILITIES FOR ATOMS
AND DIATOMIC MOLECULES [Veroyatnosti
Opticheskikh Perekhodov dlya Atomov i Dvukhatomnykh
Molekul]. [1962] 51p. 370 refs.
Order from OTS or SLA \$5.60

63-10744

Trans. of Usp[ekhi] Fiz[icheakikh] Nauk (USSR) 1958,
v. 65, no. 1, p. 3-38.

DESCRIPTORS: *Atoms, *Molecules, *Electron
transitions, Probability, Optics, Measure theory,
Harmonic analysis, Perturbation theory,
*Bibliographies.

1. Title: Transition prob-
ability
2. Title: Diatomic molecules
- I. Kolesnikov, V. N.
- II. Leskov, L. V.

(Physics--Molecular, TT, v. 9, no. 11)

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The Phenomenon of Spin Echoes and Its Application,
by N. M. Posnerantsev, 43 p.

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Vol LXV, No 1, pp 87-110.

SLA 59-20278

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Mar 60
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Some Possibilities of Using Polarized Thermal
Neutrons Related to the Nonconservation of
Parity in β -decay, *by F. L. Shapiro.*

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Sci - Physics
Jan 61

NRCC - TT-857
HEC-Tr-3165

136,409

(DC-2550-D/1)

Anatoliy Boleslavovich Mlodzeyevskiy, (On His
75th Birthday), by S. N. Rzheyekin, 3 pp.

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JPRS-L-1813-D

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Sci - Misc
Aug 59

On Certain Results of Determining the Electron
Concentration of the Outer Regions of the Ionosphere
by Means of Observations of Radio Signals From the
First Artificial Satellite, by Ya. L. Alpert,
B. F. Chudensenko, B. S. Shapiro, 26 pp.

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CSIRO Jn 4217
AEC/HP 152
ATS RJ-1715
R-5195

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Nov 58

76,460

Belov, K. P.

FERROMAGNÉTIQUE ET ANTIFERROMAGNÉTIQUES
AU VOISINAGE DU POINT DE CURIE [Ferromagnetiki
i Antiferromagnetiki Vblizi Tochki Kyuri] [Ferro-
magnetic and Antiferromagnetic Materials Near Curie
Point] tr. by Sokolovsky. 29 June 60 [102]p. 107 refs.
CEA Trans. no. R 959 (text in French).
Order from OTS or SLA \$9.10

61-15753

Trans. in French of Usp[ekhi] Fiz[icheskikh] Nauk
(USSR) 1958, v. 65, no. 2, p. 207-236.

DESCRIPTORS: *Ferromagnetic materials, *Anti-
ferromagnetism, Thermodynamics, Phase transitions.

Recently much experimental material has accumulated
with respect to various physical phenomena in metals,
alloys, ferrites, sulfides as well as ferromagnetic and
antiferromagnetic materials. It was the aim of the
present paper to sort out and to arrange this material
systematically.

(Physics--Magnetism, TT, v. 6, no. 7)

61-15753

- I. Belov, K. P.
- II. CEA-tr-R959
- III. Commissariat à l'Énergie
Atomique (France)

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Negative ions, by N. S. Buchel'nikova, & 58 pp.

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AEC Tr 3637

Sci - Phys

May 59

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New Measurements of Atomic Masses, by V. A.
Kharin, 58 pp.

RUSSIAN, per, :Uspekhi Fiz. Nauk, Vol LXV,
1958, pp 451-468.

AEC TT-609

Sci - Nuc Phys

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USPEKHI FIZICHESKIH NAUK
(Soviet Physics - Uspekhi - bimonthly)
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Order from: American Institute of Physics
335 East 45th Street
New York, N.Y. 10017
1971: \$ 45.00/year USA and Canada
\$ 49.00/elsewhere
\$ 8.00 single current or back issues
USA and elsewhere
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is included)

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Plank Celebrations in Berlin and Leipzig, by
D. D. Ivanenko, 11 pp.

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by Ya. G. Dorfman, 11 pp.

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Raman Spectra and Structure of Certain Inorganic
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28 pp.

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48 pp.

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ASC Tr 3529

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Reviews of Nuclear Particle Accelerators, by
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Physical Methods of Investigation of the Structure
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Anatolii Boleslavovich Mlodzeyevskiy, by S. N.
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RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVI, No 1,
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Radio Astronomy Investigations by Means
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JPRS-730-D
AF 1212615

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Navy T-98

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Theory of the Fermi Fluid (The Properties of
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Physico-Chemical Phenomena in the Deformation of
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On the Roles of Experiment and Theory in
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Soviet Scientists Win the 1958 Nobel Prize for
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Sergei Eduardovich Frish (On His 60th Birthday),
I. P. Bogdanova, O. P. Bochkova, A. M. Zaidel',
V. M. Zakharova, Yu. M. Kagan, N. I. Kaliteevskiy,
N. P. Penkin, M. P. Chaika, A. M. Shukhtin, L. V.
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Lev Andreevich Artsimovich (On His Fiftieth Birthday),
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Review of the Principles of Registration Used in
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Problems on Semiconductors, by E. V. Shpol'skiy,
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